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File: USPT

Mar 18, 2003

US-PAT-NO: 6534444

DOCUMENT-IDENTIFIER: US 6534444 B1

TITLE: Herbicidal mixtures having a synergistic effect

DATE-ISSUED: March 18, 2003

**INVENTOR - INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sievernich; Bernd	Bohl-Iggelheim			DE
Landes; Max	Gonnheim			DE
Kibler; Elmar	Hassloch			DE
von Deyn; Wolfgang	Neustadt			DE
Walter; Helmut	Obrigheim			DE
Otten; Martina	Ludwigshafen			DE
Westphalen; Karl-Otto	Speyer			DE
Vantieghem; Herve	Stutensee			DE

**ASSIGNEE - INFORMATION:**

NAME	CITY	STATE	ZIP	CODE	COUNTRY	TYPE	CODE
BASF Aktiengesellschaft	Ludwigshafen				DE	03	

APPL-NO: 09/ 719429 [PALM]  
DATE FILED: December 12, 2000

**FOREIGN-APPL-PRIORITY-DATA:**

COUNTRY APPL-NO APPL-DATE  
DE 198 26 431 June 16, 1998

PCT-DATA:

APPL-NO DATE-FILED PUB-NO PUB-DATE 371-DATE 102 (E) -DATE  
PCT/EP99/04055 June 12, 1999 WO99/65314 Dec 23, 1999

INT-CL: [07] A01 N 43/56, A01 N 43/78, A01 N 43/80

US-CL-ISSUED: 504/128; 504/132, 504/134, 504/136, 504/137, 504/139  
US-CL-CURRENT: 504/128; 504/132, 504/134, 504/136, 504/137, 504/139

**FIELD-OF-SEARCH:** 504/128, 504/132, 504/134, 504/136, 504/137, 504/139

PBTOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

**Search Selected** **Search ALL**

NAME	CITY	STATE	COUNTRY	RULE-47
Xu, Xiaodong C.	Valley Park	MO	US	
Brinker, Ronald J.	Ellisville	MO	US	
Reynolds, Tracey L.	Ballwin	MO	US	
Abraham, William	Wildwood	MO	US	
Graham, Jeffrey A.	Wildwood	MO	US	

US-CL-CURRENT: 504/206; 504/363

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

5. Document ID: US 20020055435 A1

L6: Entry 5 of 10

File: PGPB

May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055435  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20020055435 A1

TITLE: Herbicidal mixtures

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Baltruschat, Helmut Siegfried	Schweppenhausen		DE	
Brandt, Astrid	Mainz		DE	

US-CL-CURRENT: 504/103; 504/104, 504/105, 504/106, 504/107, 504/108, 504/109,  
504/110, 504/111, 504/112

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

6. Document ID: US 6534444 B1

L6: Entry 6 of 10

File: USPT

Mar 18, 2003

US-PAT-NO: 6534444  
 DOCUMENT-IDENTIFIER: US 6534444 B1

TITLE: Herbicidal mixtures having a synergistic effect

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1303189 A1	April 23, 2003	G	000	A01N047/38
DE 10031825 A1	January 10, 2002		012	A01N047/38
WO 200201957 A1	January 10, 2002	G	000	A01N047/38
AU 200174108 A	January 14, 2002		000	A01N047/38

INT-CL (IPC) : A01 N 25/32; A01 N 37/32; A01 N 43/76; A01 N 43/824; A01 N 43/90; A01 N 47/34; A01 N 47/38; A01 N 47:38; A01 N 47:34; A01 N 47/38; A01 N 43:90; A01 N 43:824; A01 N 43:76; A01 N 37:32; A01 N 25:32

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) KMC  
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9. Document ID: BR 200111008 A DE 10041619 A1 WO 200189301 A1 AU 200165936 A EP 1298996 A1

L6: Entry 9 of 10

File: DWPI

Apr 8, 2003

DERWENT-ACC-NO: 2002-076344

DERWENT-WEEK: 200329

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TITLE: Synergistic herbicidal agent containing N,N-disubstituted thiadiazolylloxy-acetamide derivatives

INVENTOR: DAHMEN, P; DREWES, M W ; FEUCHT, D ; KREMER, M ; PONTZEN, R ; DREWES, M

PRIORITY-DATA: 2000DE-1025306 (May 22, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
BR 200111008 A	April 8, 2003		000	A01N043/824
DE 10041619 A1	November 29, 2001		008	A01N043/836
WO 200189301 A1	November 29, 2001	G	000	A01N043/824
AU 200165936 A	December 3, 2001		000	A01N043/824
EP 1298996 A1	April 9, 2003	G	000	A01N043/824

INT-CL (IPC) : A01 N 43/82; A01 N 43/824; A01 N 43/836

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) KMC  
[Draw Desc](#) [Clip Img](#) [Image](#)

10. Document ID: JP 2003510258 W DE 19962017 A1 WO 200122819 A1 AU 200075198 A BR 200014670 A CZ 200201141 A3 EP 1221848 A1 KR 2002035601 A HU 200202780 A2 CN 1378424 A

L6: Entry 10 of 10

File: DWPI

Mar 18, 2003

DERWENT-ACC-NO: 2001-382758

DERWENT-WEEK: 200321

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TITLE: Synergistic herbicidal agents containing N-aryl-triazolinone and N-aryl-triazolinethione derivatives, useful for selective weed control in crops

INVENTOR: DAHMEN, P; DREWES, M W ; FEUCHT, D ; HAAS, W ; KRAUSKOPF, B ; KREMER, M ; PONTZEN, R ; WELLMANN, A ; DREWES, M

PRIORITY-DATA: 1999DE-1046855 (September 30, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003510258 W	March 18, 2003		068	A01N043/653
DE 19962017 A1	April 5, 2001		014	A01N043/653
WO 200122819 A1	April 5, 2001	G	000	A01N043/653
AU 200075198 A	April 30, 2001		000	A01N043/653
BR 200014670 A	June 18, 2002		000	A01N043/653
CZ 200201141 A3	June 12, 2002		000	A01N043/653
EP 1221848 A1	July 17, 2002	G	000	A01N043/653
KR 2002035601 A	May 11, 2002		000	A01N043/653
HU 200202780 A2	December 28, 2002		000	A01N043/653
CN 1378424 A	November 6, 2002		000	A01N043/653

INT-CL (IPC): A01 N 25/32; A01 N 37/20; A01 N 43/653; A01 N 49/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC
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Terms	Documents
(l2 and L5) not 14	10

**Display Format:**

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5846906	December 1998	von Deyn	504/221

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2278331	July 1998	CA	
900 795	March 1999	EP	
2-211610	August 1990	JP	
96/26206	August 1996	WO	
97/23135	July 1997	WO	
98/28981	July 1998	WO	
98/31681	July 1998	WO	

#### OTHER PUBLICATIONS

Derwent Abst. 98/28981.  
Derwent Abst. 97/23135.  
Derwent Abst. 96211610.

ART-UNIT: 1616

PRIMARY-EXAMINER: Clardy, S. Mark

ATTY-AGENT-FIRM: Keil & Weinkauf

## ABSTRACT:

A synergistic herbicidal mixture comprising A) at least one benzoyl compound of formula I ##STR1## or a salt thereof wherein R.<sup>1</sup>, R.<sup>3</sup> are hydrogen, halogen, alkyl, halogenalkyl, alkoxy, halogenalkoxy, alkylthio, alkylsulfinyl or alkylsulfonyl; R.<sup>2</sup> is optionally substituted thiazol-2-yl, thiazol-4-yl, thiazol-5-yl, isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl or 4,5-dihydroisoxazol-5-yl; R.<sup>4</sup> is hydrogen, halogen or alkyl; R.<sup>5</sup> is alkyl; R.<sup>6</sup> is hydrogen or alkyl; and, B) a synergistically effective amount of at least one further herbicidal compound as defined in the specification.

compositions comprising these mixtures, processes for the preparation of these compositions, and their use for controlling undesired plants.

29 Claims, 0 Drawing figures